S
14.GS:
CIR407
c.2

Geol. Survey

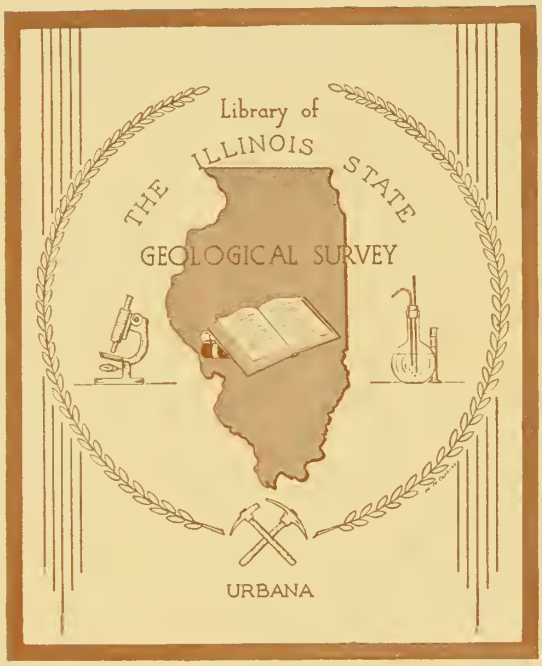
STATE OF ILLINOIS
DEPARTMENT OF REGISTRATION AND EDUCATION

Mineral Production in Illinois in 1965 and Summary of Illinois Mineral Production by Commodities, 1941-1965

W. L. Busch

ILLINOIS STATE GEOLOGICAL SURVEY
John C. Frye, *Chief*
URBANA

CIRCULAR 407
1966



ILLINOIS STATE GEOLOGICAL SURVEY
3 3051 00003 9853

MINERAL PRODUCTION IN ILLINOIS IN 1965 AND SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965

W. L. Busch

ABSTRACT

The value of minerals produced in Illinois in 1965 totaled 618.5 million dollars. This was the second highest annual value ever recorded for mineral production in the state. Illinois minerals include coal, oil, stone, sand and gravel, fluorspar, lead, zinc, and other items such as clay products, cement, and lime. The annual value of these minerals has been over 600 million dollars for each year, 1956-1965. The quantity and value of minerals produced in 1965 are summarized in the tables and maps of this report.

SUMMARY OF 1965 MINERAL PRODUCTION

Minerals produced in Illinois during 1965 were valued at 618.5 million dollars. This amount, only slightly greater than the 618 million dollar total for 1964, was the second highest annual value ever recorded for mineral production in this state. The record high value of 631 million dollars was established in 1962. A decline of about 19 million dollars in the total value of oil in 1965 was offset, in part, by an increase of about 10 million dollars in the value of coal. Other minerals showing increases in value for 1965 over the corresponding 1964 values were limestone and dolomite, 5.5 million dollars; clay products, 1.1 million dollars; silica sand, 1.5 million dollars; fluorspar, 1.4 million dollars; and lead and zinc, 1.9 million dollars. Minerals showing small losses in total value in 1965, as compared to their 1964 value, were cement and common sand and gravel (tables 1 and 2).

The total value of coal and oil produced in Illinois in 1965 amounted to about 404.4 million dollars, which was almost 9.0 million dollars less than the combined total value of 413.4 million dollars for these fuels in 1964. For the year 1965, coal contributed about 35.2 percent of the state's total mineral value, and crude oil, with a small amount of natural gas, supplied about 30.3 percent of the Illinois over-all mineral value. The combined value of fuels produced in Illinois during 1965 amounted to about 65.5 percent of the value of all minerals.

ILLINOIS STATE
GEOLOGICAL SURVEY
LIBRARY

Stone products produced in Illinois include crushed stone, cement, and lime and make up the second most important group of minerals produced in this state. The tonnage and total value of crushed stone reported produced by commercial operators during 1965 showed an increase of almost 4.7 million tons and about 5.5 million dollars over the tonnage and value reported in 1964. Shipments and total value of Portland and masonry cements declined slightly in 1965 from the corresponding figures of 1964. However, the total tonnage and value of lime produced in Illinois during 1965 increased by 100,300 tons and 782,100 dollars over the 1964 production figures. As a group, these stone products — crushed stone, cement, and lime — contributed 17.1 percent of the state's total mineral value for 1965.

Illinois clay products, which includes such items as face brick and common brick, structural tile, drain and sewer tile, refractories, and pottery and whiteware, had a total reported value of 52.4 million dollars in 1965. This was about 1.1 million dollars more than the 51.3 million dollar total reported for 1964. Clay products produced in Illinois in 1965 amounted to 8.5 percent of the state's over-all mineral products value.

Common sand produced in 1965 showed small decreases in total tonnage, total value, and average value per ton as compared to 1964 production figures. Although gravel tonnage increased in 1965, the total value and average value per ton declined from the previous year. The production of silica sand in Illinois in 1965 registered gains in tonnage, total value, and average value per ton over the 1964 totals. The total value of silica sand produced in 1965 was 1.5 million dollars more than the 1964 total value for this commodity. In 1965 only very small amounts of natural bonded molding sand were produced. The total value of all sands and gravel produced in 1965 furnished about 6.6 percent of the total Illinois mineral product value.

Fluorspar, lead, and zinc produced from Illinois mines had a combined value of about 14.1 million dollars in 1965. This was approximately 3.4 million dollars more than the 10.7 million dollar value that these minerals had in 1964. Production of the metals lead and zinc, in 1965, showed increases in tonnage, total value, and in average value per ton over the amounts produced in 1964. Fluorspar production in 1965 was greater in tonnage, and in total value, but the average value per ton was slightly less than in 1964. As a group, the total value of fluorspar, lead, and zinc constituted about 2.3 percent of the state's entire mineral value.

SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965

Table 2 shows the amounts and values of minerals produced in Illinois for a 25-year period, 1941-1965. During this period the total annual value of Illinois minerals reported produced has grown from about 335 million dollars in 1941 to more than 600 million dollars in each of the ten years, 1956-1965. Production records for the various mineral commodities produced in Illinois are tabulated in table 2. Total quantity figures and total value figures are useful for following the production performance of individual mineral commodities. Figures at the end of table 2 give the percentage of state total value contributed by the various segments of the Illinois mineral industry and show changes in their relative importance.

COAL

Illinois coal production in 1965 amounted to more than 58.2 million tons and was valued at 217.8 million dollars. This tonnage output exceeded 1964 production by 3.4 million tons and totaled 10 million dollars more in value. In 1965 Illinois was the fourth-ranking coal-producing state in the nation, surpassed only by West Virginia, Kentucky, and Pennsylvania. The 58.2 million tons of coal produced in Illinois during 1965 represented about 11.4 percent of the nation's entire bituminous coal and lignite production for that year.

The 1965 record for Illinois coal production is shown in tables 3 and 4. Table 3 summarizes the 1965 production in terms of tons of coal produced, type of mine (strip or underground), number of mines, and the approximate value of the product for each producing county. Of the 29 counties reporting coal production for 1965, 13 produced more than one million tons each for a combined total of 93.3 percent of the state's output. Recovery of coal by stripping methods was important in 18 of the producing counties in 1965 and accounted for about 56 percent of total coal produced during the year.

The production of coal by counties since 1882, when mining records were begun, is shown in table 4. During this period of 84 years, almost 4 billion tons of coal have been taken from Illinois mines. Of the 71 counties that have recorded coal production since 1882, 12 have produced more than 100 million tons of coal each, and as a group have accounted for 78 percent of the state's entire output. Table 4 also shows the total number of years that each county has produced coal since 1882 and the most recent year it was productive.

In 1965 the value of coal was the largest single amount among the values of all Illinois minerals and contributed about 35.2 percent to the state's total mineral value. The 29 Illinois counties that produced coal in 1965 are indicated by the county map in figure 1, with the intensity of mining activity illustrated by the degree of shading.

PETROLEUM

Production of crude oil in Illinois for 1965 was estimated at 63.7 million barrels, a decline of about 6.5 million barrels from the 70.2 million barrels produced in 1964. The value of crude oil produced in Illinois during 1965 amounted to about 186.6 million dollars. Based on the 1965 estimated average price of $2.93 per barrel value for Illinois oil, which was the same price used to calculate the 1964 value, the total value of this commodity in 1965 was almost 19 million dollars less than the 1964 total value of 205.6 million dollars.

The estimated amount and value of oil produced by county in 1965 and each county's percentage of the state total are given in table 5. This table also indicates the total estimated oil production for each county for the period 1888 through 1965. The map in figure 2 shows the 41 Illinois counties that produced oil in 1965 and indicates the major oil-producing areas. Of the 41 counties producing oil in 1965, 14 counties produced more than one million barrels each for a total of 88.5 percent of the state's entire oil production. The total value of oil in 1965, amounting to 186.6 million dollars, was the second largest single item among the values of all Illinois minerals and contributed about 30.3 percent to the state's total mineral value.

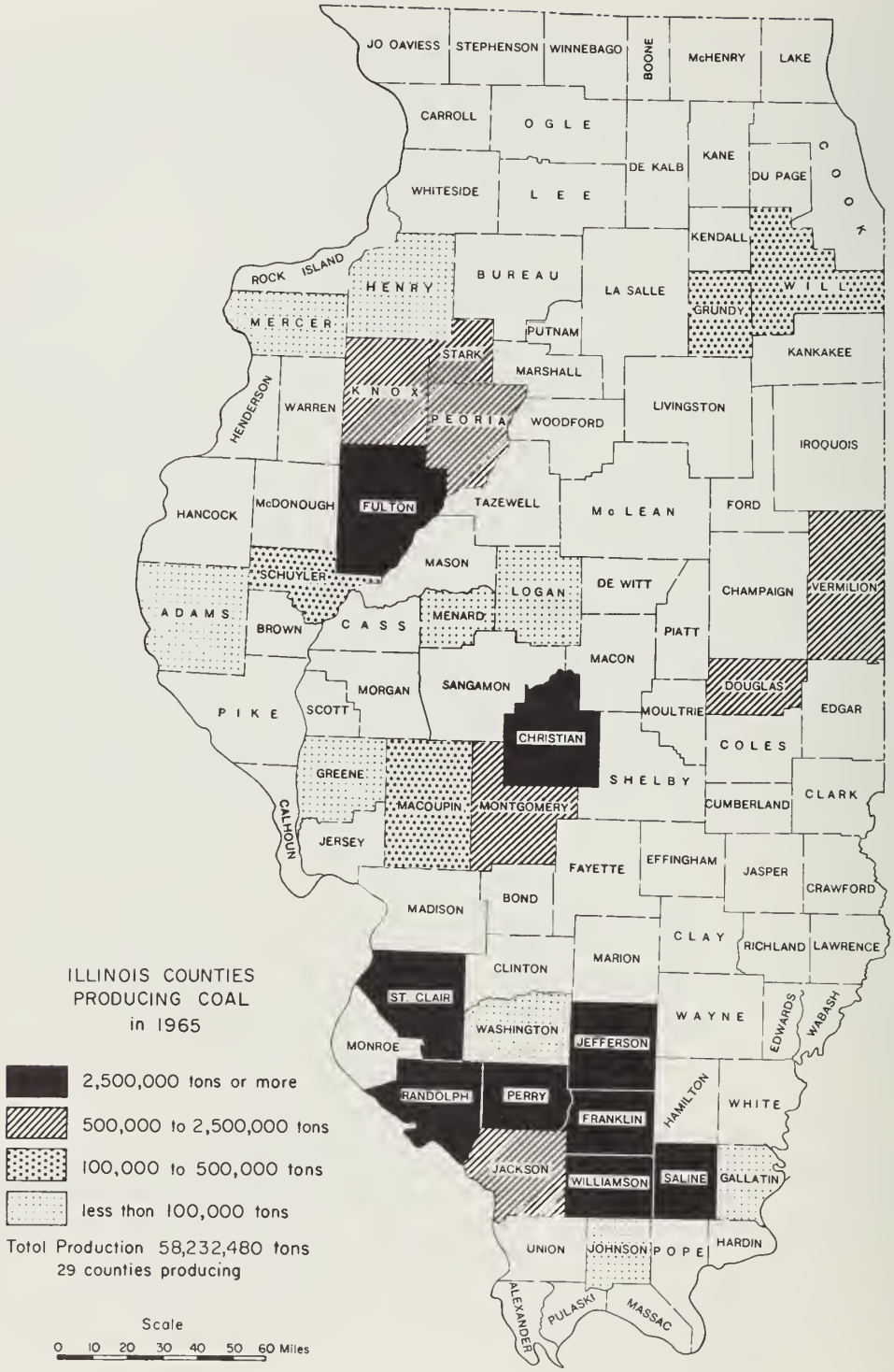


Figure 1 - Illinois coal production by counties in 1965.

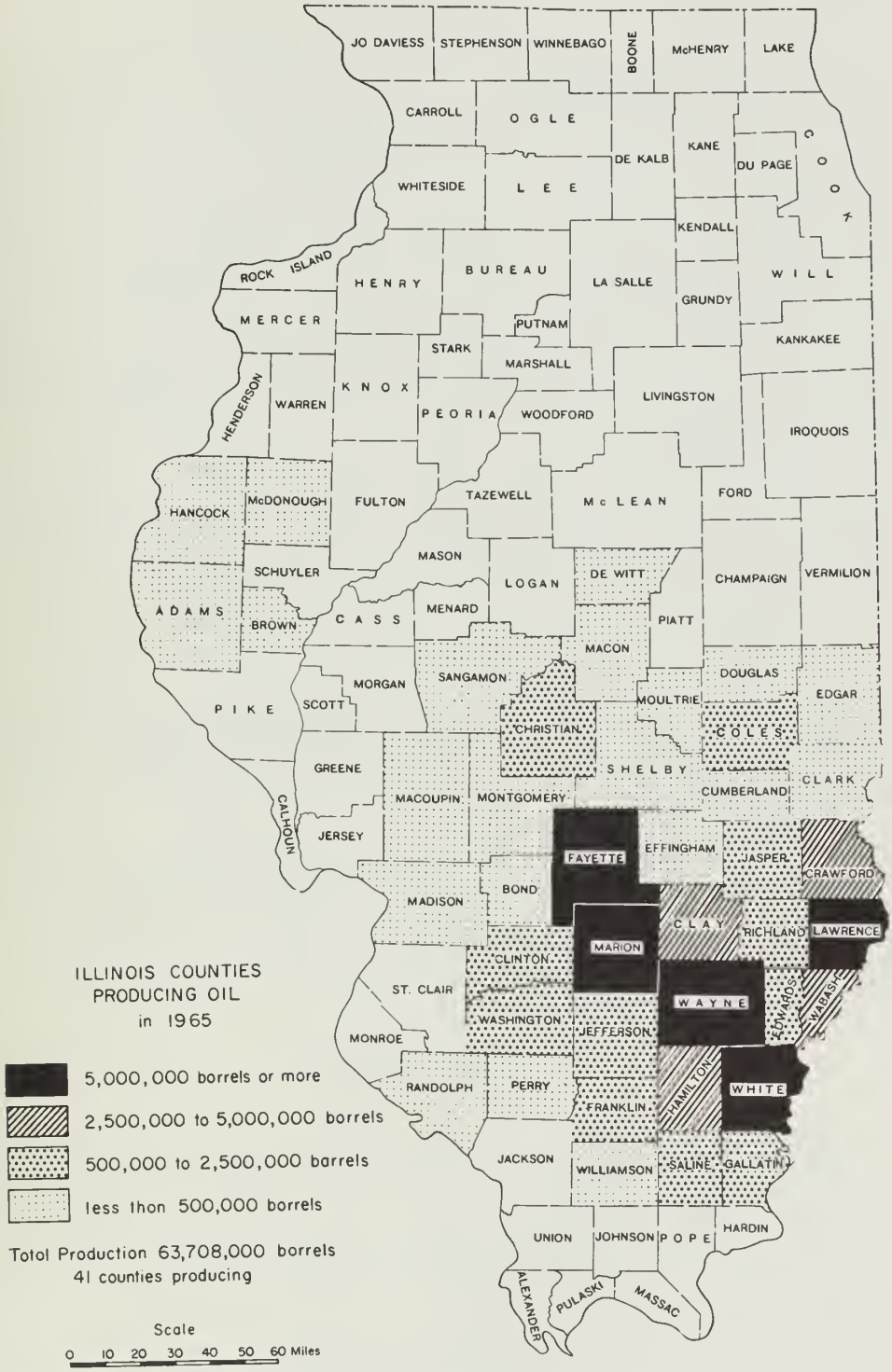


Figure 2 - Illinois oil production by counties in 1965.

STONE

Commercial quarry operators reported a production of 43.3 million tons of crushed and broken stone in 1965, which was valued at 57.8 million dollars for an average of $1.34 per ton. The tonnage produced in 1965 was about 4.7 million tons more than the 38.6 million tons of stone produced in 1964. Although the average value per ton of stone produced in 1965 was one cent less than the average value of $1.35 per ton reported for 1964, the total value of stone produced in 1965 was about 5.5 million dollars more than the 52.3 million dollar total reported for 1964.

During 1965, 7 Illinois counties—Cook, St. Clair, Kankakee, Will, Livingston, Rock Island, and Randolph—produced over one million tons of stone each for a combined total of 23.8 million tons, or 55 percent of the state's total stone production. In addition to the counties named above, there were 14 counties with stone production ranging from one-half million to one million tons each for a combined total production of 10.5 million tons, which was about 24.3 percent of all stone produced in Illinois during 1965.

Table 6 gives a detailed accounting of stone production in Illinois according to region (fig. 3) and according to three major categories of use—stone for road and building, agriculture, and all other uses. Table 6 also lists every county reported to have had stone production and the average value at the quarry for all categories of stone in all regions for 1965.

SAND AND GRAVEL

In 1965 the combined production of common sand and gravel amounted to 31.6 million tons as compared to a total of 30.2 million tons for 1964. The total value of these commodities was 27.8 million dollars for 1965 and 28.5 million dollars for 1964.

Common sand and gravel are used extensively in Illinois for various building and construction purposes. According to the production figures tabulated in table 7 (sand) and in table 8 (gravel), the Northeast Region of Illinois was the foremost producer of these products in 1965 (fig. 3). The second most important region in the production of sand and gravel in 1965 was the Central Region, followed closely by the Northwest Region. Other regions in Illinois produced smaller, but important tonnages of these materials during 1965.

SPECIAL SANDS

Silica sand and natural bonded molding sand are the two special sands produced in Illinois. LaSalle County was the number one producer of silica sand in Illinois in 1965. Smaller amounts of silica sand were also produced in Ogle County. In 1965 the most important use for Illinois silica sand was in the manufacture of glass. The second most important use for this commodity was for molding sand purposes. Table 9 shows the amounts and values of silica sand produced in Illinois during 1964 and 1965.

Natural bonded molding sand has been produced in small quantities in Illinois for many years. The natural composition of this sand is such that it can be

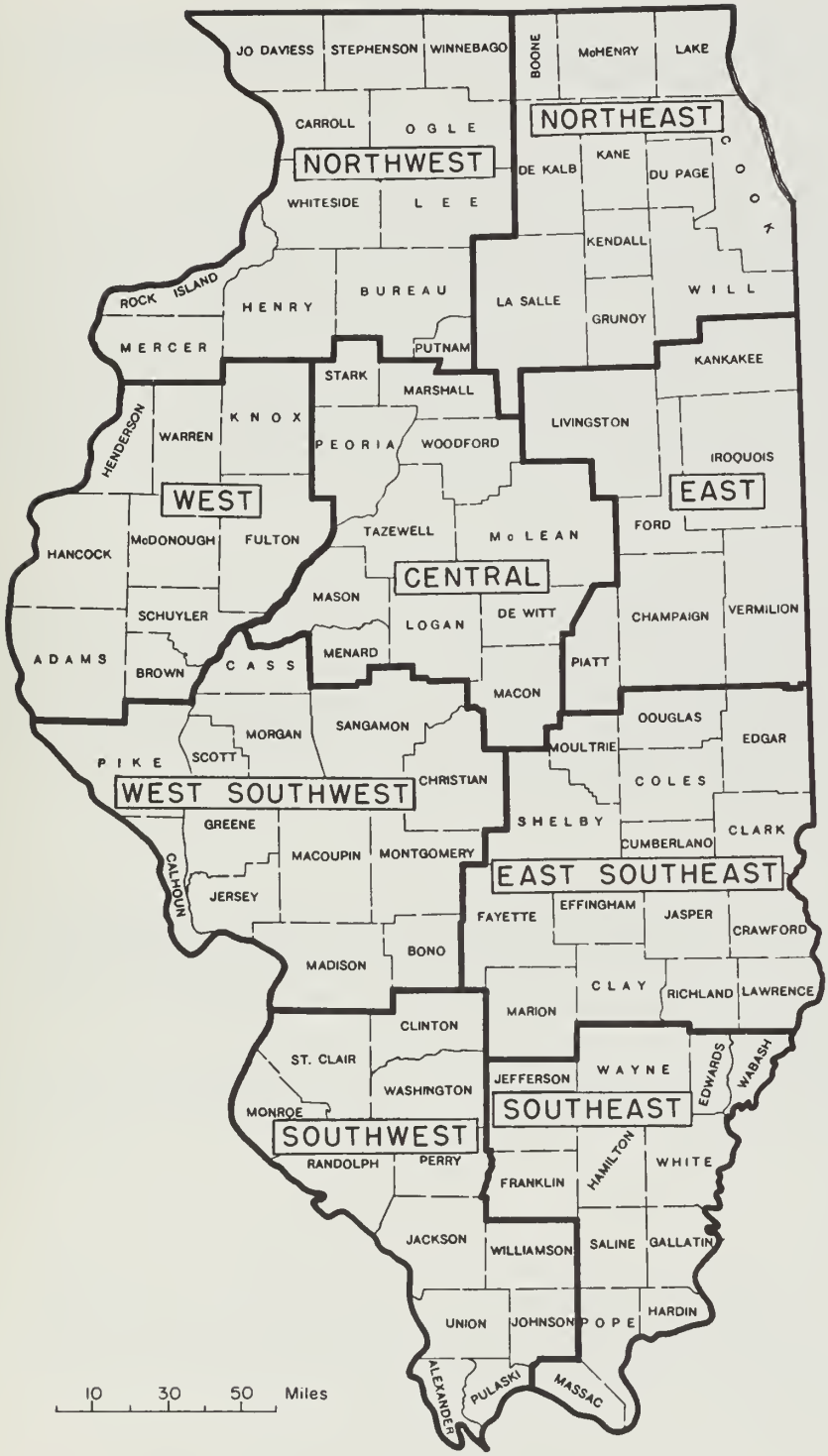


Figure 3 - County outline map of Illinois showing area division.

used in molds for the casting of metals without the addition of other substances. In 1965 small amounts of natural bonded molding sand were produced in Fayette, Henry, and Rock Island Counties.

CLAY PRODUCTS

The value of clay products reported produced in Illinois during 1965 amounted to about 52.4 million dollars. This was an increase of 1.1 million dollars over the 51.3 million dollar total reported for 1964. Illinois clay products include such items as face brick and common brick, sewer pipe and drain tile, building tile, vitreous plumbing fixtures, electrical porcelains, pottery and whiteware, lightweight aggregates, and clay and silica refractories. A summary of the production of clay products for the years 1964 and 1965 is given in table 10. Forty-eight clay products plants located in 25 counties throughout Illinois reported production for 1965 and contributed about 8.5 percent of the state's over-all mineral products value.

CEMENT

Illinois cement plants shipped a total of almost 10 million barrels of all types of cement in 1965 as compared to a total of 10.3 million barrels in 1964 (table 1). The total value of this commodity was 32.5 million dollars in 1965 and 34.2 million dollars in 1964. The state's four cement plants are located in three counties: two in LaSalle County at Oglesby and at LaSalle, one in Lee County at Dixon, and one in Massac County at Joppa.

FLUORSPAR

Illinois, the nation's leading fluorspar producer, supplied 159,140 tons of finished fluorspar in 1965, which was about 66 percent of all finished fluorspar produced and shipped in the United States. Of the 930,000 tons of domestic and foreign fluorspar consumed in the United States during 1965, Illinois fluorspar shipments furnished about 17 percent of this total (table 11).

Fluorspar, an important raw material for the iron and steel, aluminum, chemical, glass, and ceramics industries, was mined principally in Hardin County, with small amounts produced in Pope County, in the southern part of the state.

METALS

Zinc and lead are produced in Illinois from primary metal mines in Jo Daviess County, located in the northwestern part of the state, and as by-products of fluorspar mining in Hardin and Pope Counties in the southern part of Illinois.

Production figures show that Illinois mines produced 18,314 tons of zinc, valued at 5.3 million dollars, and 3005 tons of lead, valued at $937,560 during 1965 (table 12).

TABLE 1 – SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1964–1965[a]

Material	Unit	1964[b]			1965[b]		
			Value at plants			Value at plants	
		Quantity	Total	Average	Quantity	Total	Average
Coal – bituminous	tons	54,834,488	$207,822,710	$ 3.79	58,232,480	$217,789,475	$ 3.74
Crude oil	bbls.	70,168,000	205,592,240	2.93	63,708,000	186,664,440	2.93
Limestone and dolomite	tons	38,625,836	52,280,405	1.35	43,293,426	57,805,266	1.34
Cement – Portland 376 lb.	bbls.	9,790,486	32,190,940	3.29	9,358,412	30,621,967	3.27
Cement – Masonry 280 lb.	bbls.	595,996	2,038,280	3.42	615,276	1,906,897	3.10
Clay products	—	—	51,352,545	—	—	52,459,500	—
Sand	tons	13,681,000	11,864,000	0.87	13,424,000	11,356,000	0.85
Gravel	tons	16,567,000	16,716,000	1.01	18,194,000	16,508,000	0.91
Silica sand	tons	3,207,000	10,486,000	3.27	3,631,000	11,991,000	3.30
Fluorspar	tons	127,454	6,451,755	50.62	159,140	7,861,165	49.40
Zinc	tons	13,800	3,753,600	272.00	18,314	5,347,688	292.00
Lead	tons	2,180	571,160	262.00	3,005	937,560	312.00
Other materials[c]	—	—	16,880,365	—	—	17,251,042	—
Total value			$618,000,000			$618,500,000	

a Table based on figures from the U. S. Bureau of Mines, the Illinois State Department of Mines and Minerals, and the Illinois State Geological Survey.
b Subject to revision.
c Includes natural gas, lime, tripoli, natural bonded molding sand, and sandstone.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965[a,b]

	Coal			Crude oil		
Year	Tons	Value	Average per ton	Barrels	Value	Average per bbl.
1941	55,365,835	$100,212,000	$1.81	134,138,000	$174,379,400	$1.30
1942	65,746,204	125,575,000	1.91	106,590,000	144,962,400	1.36
1943	73,344,761	156,224,000	2.13	82,256,000	112,700,000	1.37
1944	77,400,031	172,602,000	2.23	77,413,000	107,370,000	1.39
1945	73,446,930	171,866,000	2.34	75,210,000	105,294,000	1.40
1946	63,767,082	166,432,000	2.61	75,297,000	119,722,000	1.59
1947	68,325,241	215,224,000	3.15	66,459,000	139,564,000	2.10
1948	66,166,805	256,728,000	3.88	64,808,000	179,518,000	2.77
1949	47,630,380	192,426,000	4.04	64,501,000	178,668,000	2.77
1950	57,282,303	231,993,000	4.05	62,028,000	171,818,000	2.77
1951	54,869,679	223,320,000	4.07	60,244,000	166,876,000	2.77
1952	45,752,588	187,585,600	4.10	60,071,000	166,397,000	2.77
1953	45,966,114	181,566,200	3.95	59,025,000	171,586,000	2.91
1954	41,775,752	159,583,373	3.82	66,940,000	200,820,000	3.00
1955	45,711,555	167,304,290	3.66	81,131,000	237,713,830	2.93
1956	47,804,040	183,567,514	3.84	82,314,000	242,826,300	2.95
1957	46,682,889	186,731,556	4.00	76,649,000	239,911,400	3.13
1958	43,777,130	175,984,063	4.02	80,779,000	242,337,000	3.00
1959	45,374,626	184,220,982	4.06	76,727,000	230,181,000	3.00
1960	45,820,632	183,740,734	4.01	77,341,000	230,338,000	2.98
1961	45,132,526	176,468,177	3.91	77,478,000	232,434,000	3.00
1962	48,353,913	186,646,104	3.86	78,800,000	236,400,000	3.00
1963	51,642,431	196,241,238	3.80	74,796,000	221,396,160	2.96
1964	54,834,488	207,822,710	3.79	70,168,000	205,592,240	2.93
1965	58,232,480	217,789,475	3.74	63,708,000	186,664,440	2.93

[a] Table based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965 - continued[a,b]

	Crushed stone			Cement		
Year	Tons	Value	Average per ton	Barrels	Value	Average per bbl.
1941	12,206,136	$11,104,104	$0.91	6,033,440	$ 8,799,667	$1.46
1942	14,006,556	13,014,429	0.93	7,087,400	10,284,111	1.45
1943	11,429,102	10,654,148	0.93	4,504,442	6,965,607	1.55
1944	10,668,128	10,689,477	1.00	3,597,074	5,592,703	1.55
1945	11,122,679	11,340,341	1.02	4,509,932	7,654,876	1.70
1946	16,199,882	17,512,579	1.08	7,069,779	12,421,968	1.76
1947	15,786,379	18,424,089	1.17	7,515,955	14,164,976	1.88
1948	18,593,042	23,379,762	1.26	7,875,758	16,078,433	2.04
1949	17,300,130	21,328,699	1.23	8,200,148	17,340,782	2.11
1950	18,283,655	22,099,967	1.21	8,145,885	17,810,417	2.19
1951	19,005,400	23,082,600	1.20	8,648,647	20,775,900	2.40
1952	22,606,000	28,835,300	1.27	9,042,260	21,663,400	2.40
1953	22,000,000	27,300,000	1.24	9,100,000	23,114,000	2.54
1954	23,089,000	29,400,700	1.27	9,419,600	24,246,500	2.57
1955	24,400,630	29,829,205	1.22	9,397,098	25,031,520	2.66
1956	28,005,490	38,092,089	1.36	9,301,189	27,263,794	2.93
1957	28,140,100	38,750,105	1.38	8,575,129	26,356,365	3.07
1958	33,064,789	43,876,091	1.33	9,618,339	30,858,270	3.21
1959	31,909,142	41,746,465	1.31	9,924,486	31,793,942	3.20
1960	37,032,017	50,978,358	1.38	9,139,300	30,732,000	3.36
1961	33,576,884	45,835,938	1.37	9,055,552	29,720,368	3.28
1962	38,528,222	52,313,576	1.36	9,585,862	31,525,449	3.29
1963	35,887,632	47,754,695	1.33	9,752,676	32,016,873	3.28
1964	38,625,836	52,280,405	1.35	10,386,482	34,229,220	3.30
1965	43,293,426	57,805,266	1.34	9,973,688	32,528,864	3.26

[a] Table based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965 - continued[a,b]

	Lime			Common sand		
Year	Tons	Value	Average per ton	Tons	Value	Average per ton
1941	246,278	$1,723,850	$ 6.99	5,038,032	$ 2,249,091	$0.45
1942	314,077	2,266,152	7.21	5,469,306	2,627,665	0.48
1943	314,735	2,386,540	7.58	3,552,391	1,763,612	0.50
1944	290,988	2,266,539	7.78	2,956,570	1,450,369	0.49
1945	287,607	2,228,909	7.75	3,306,383	1,708,718	0.49
1946	280,051	2,365,455	8.45	4,830,604	2,851,548	0.59
1947	299,187	2,736,262	9.15	4,535,616	3,110,206	0.69
1948	283,090	3,000,225	10.60	5,738,402	4,133,668	0.72
1949	276,161	3,197,890	11.58	6,767,406	5,007,363	0.74
1950	367,485	4,465,413	12.15	6,467,478	4,777,106	0.74
1951	462,690	5,878,300	12.70	6,607,153	4,854,700	0.74
1952	460,775	5,917,000	12.84	6,822,660	4,924,600	0.72
1953	520,000	6,987,000	13.44	6,882,850	5,108,500	0.74
1954	532,050	7,420,850	13.95	8,050,990	5,911,535	0.73
1955	644,180	9,416,135	14.62	7,750,860	5,996,735	0.77
1956	Lime value in other[c]			10,461,300	7,852,592	0.75
1957	"	"	"	9,424,163	7,252,004	0.77
1958	"	"	"	11,461,532	10,360,460	0.90
1959	"	"	"	10,977,478	9,895,321	0.90
1960	"	"	"	11,988,786	10,633,054	0.89
1961	"	"	"	12,178,037	10,776,163	0.88
1962	"	"	"	13,880,962	11,943,268	0.86
1963	"	"	"	12,556,556	10,698,382	0.85
1964	"	"	"	13,681,000	11,864,000	0.87
1965	"	"	"	13,424,000	11,356,000	0.85

[a] Table based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

[c] Figures on lime production restricted after 1955. Limes value 1956-1965 recorded in "Other commodities" value column.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965 - continued[a,b]

	Gravel			Fluorspar		
Year	Tons	Value	Average per ton	Tons	Value	Average per ton
1941	8,336,247	$ 3,832,278	$0.46	133,333	$3,047,247	$22.85
1942	9,350,636	4,831,864	0.52	161,949	4,306,750	26.59
1943	6,789,760	3,348,897	0.49	198,789	6,292,789	31.66
1944	6,057,765	2,968,300	0.49	176,259	5,954,991	33.79
1945	6,093,060	2,975,805	0.49	147,251	5,014,807	34.06
1946	10,259,669	5,809,757	0.57	154,525	5,493,642	35.55
1947	8,275,141	4,818,399	0.58	167,157	6,148,654	36.78
1948	9,353,275	6,059,445	0.65	172,561	6,322,246	36.64
1949	8,510,918	5,516,198	0.65	120,881	4,621,733	38.23
1950	9,763,933	6,687,958	0.68	154,623	6,110,765	39.52
1951	8,521,200	6,398,500	0.75	204,328	9,294,700	45.49
1952	8,758,635	6,253,800	0.71	188,300	9,481,200	50.35
1953	8,108,750	6,166,200	0.76	163,300	8,567,000	52.46
1954	11,991,625	9,350,965	0.78	107,830	5,989,219	55.54
1955	10,637,000	8,990,175	0.85	166,337	7,838,470	47.12
1956	12,776,606	10,570,480	0.83	178,254	8,469,450	47.51
1957	12,817,007	11,018,425	0.86	169,939	8,827,171	51.94
1958	16,578,457	15,696,087	0.95	152,087	7,930,613	52.15
1959	14,075,667	12,829,862	0.91	112,469	5,908,307	52.53
1960	14,615,153	13,694,589	0.94	134,529	6,935,511	51.55
1961	15,649,754	13,977,679	0.89	116,908	5,956,350	50.95
1962	16,123,325	15,040,907	0.93	132,830	6,391,673	48.12
1963	14,558,143	14,099,915	0.97	132,060	6,547,149	49.58
1964	16,567,000	16,716,000	1.01	127,454	6,451,755	50.62
1965	18,194,000	16,508,000	0.91	159,140	7,861,165	49.40

[a] Table based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965 - continued[a,b]

	Zinc			Lead		
Year	Tons	Value	Average per ton	Tons	Value	Average per ton
1941	9,198	$1,379,700	$150.00	2,376	$ 270,864	$114.00
1942	9,389	1,746,354	186.00	2,344	314,096	134.00
1943	5,851	1,263,816	216.00	2,043	306,450	150.00
1944	7,262	1,655,736	228.00	1,971	315,360	160.00
1945	8,310	1,911,300	230.00	3,005	516,860	172.00
1946	8,798	2,146,712	244.00	3,865	842,570	218.00
1947	10,073	2,437,666	242.00	2,325	674,250	290.00
1948	12,980	3,452,680	266.00	3,695	1,322,810	358.00
1949	18,157	4,502,936	248.00	3,824	1,208,384	316.00
1950	26,982	7,500,996	278.00	2,729	725,914	266.00
1951	21,776	7,926,500	364.00	3,160	1,093,364	346.00
1952	18,816	6,246,900	332.00	4,262	1,372,400	322.00
1953	14,556	3,173,200	218.00	3,391	902,000	266.00
1954	14,427	3,116,230	216.00	3,232	885,570	274.00
1955	21,700	5,338,200	246.00	4,544	1,354,112	298.00
1956	24,039	6,586,686	274.00	3,832	1,203,248	314.00
1957	22,185	5,146,920	232.00	2,970	849,420	286.00
1958	24,940	5,087,760	204.00	1,610	376,740	234.00
1959	26,815	6,167,450	230.00	2,570	591,100	230.00
1960	29,550	7,623,900	258.00	3,000	702,000	234.00
1961	26,795	6,162,850	230.00	3,430	706,580	206.00
1962	27,413	6,304,990	230.00	3,610	664,240	184.00
1963	20,337	4,677,510	230.00	2,901	626,616	216.00
1964	13,800	3,753,600	272.00	2,180	571,160	262.00
1965	18,314	5,347,688	292.00	3,005	937,560	312.00

[a] Table based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965 - continued[a,b]

	Silver			Special sands[c]	Clay products	Other commodities
Year	Ounces	Value	Average per oz.	Value	Value	Value
1941	20,340	$14,464	$0.711	$ 3,923,270	$19,593,325	$ 4,974,823
1942	104	74	0.711	5,391,124	19,624,015	7,053,810
1943	2,153	1,531	0.711	6,394,566	17,254,351	12,355,244
1944	2,437	1,733	0.711	5,930,270	15,076,524	10,958,315
1945	2,198	1,563	0.711	4,854,100	18,577,913	10,485,878
1946	2,302	1,860	0.808	4,742,883	32,197,366	7,132,846
1947	1,790	1,620	0.905	6,141,706	32,740,735	12,550,220
1948	4,047	3,663	0.905	6,661,154	43,406,183	17,557,385
1949	3,128	2,831	0.905	6,034,859	37,081,260	10,870,751
1950	2,001	1,811	0.905	7,428,555	47,155,311	10,661,187
1951	3,465	3,136	0.905	9,066,000	53,594,300	9,867,000
1952	3,781	3,400	0.905	8,675,600	43,351,400	10,112,000
1953	2,338	2,100	0.905	8,703,200	46,160,400	12,590,400
1954	1,160	1,050	0.905	10,283,200	47,200,625	15,032,450
1955	3,075	2,783	0.905	10,782,275	54,855,665	6,200,000
1956	1,580	1,430	0.905	12,056,475	59,101,572	15,772,830
1957	No production reported			11,264,529	60,671,157	15,976,120
1958	"	"	"	9,420,987	55,276,000	14,420,929
1959	"	"	"	10,396,376	58,343,921	14,225,274
1960	"	"	"	9,818,110	56,621,065	13,982,679
1961	"	"	"	10,511,283	56,400,489	15,050,123
1962	"	"	"	12,026,071	56,495,460	15,248,262
1963	"	"	"	11,414,907	53,921,080	15,605,475
1964	"	"	"	11,355,900	51,352,545	16,010,465
1965	"	"	"	12,864,204	52,459,500	16,377,838

[a] Table based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

[c] Includes silica sand, natural bonded molding sand, and ground siliceous materials.

TABLE 2 - SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1965 - continued[a,b]

Year	State total value annual mineral production	Commodity group values in percentage of state total mineral value, 1941-1965[c]					
		Coal	Oil & prod.	Stone prod.	Clay prod.	Sand & gravel	Fluorspar & metals
1941	$335,504,083	30.1	52.9	6.5	6.1	3.0	1.4
1942	341,997,844	36.7	44.2	7.5	5.9	3.8	1.9
1943	337,911,551	46.6	36.3	6.0	5.4	3.4	2.3
1944	342,832,317	50.4	34.2	5.4	4.7	3.0	2.3
1945	344,431,070	49.9	33.3	6.2	5.7	2.7	2.2
1946	379,673,186	43.9	33.2	8.5	8.7	3.5	2.2
1947	458,736,783	46.9	32.9	7.7	7.4	3.1	2.0
1948	567,623,654	45.2	34.5	7.5	7.9	3.0	1.9
1949	487,807,686	39.4	38.7	8.6	7.8	3.4	2.1
1950	539,236,400	43.0	33.6	8.2	9.0	3.5	2.7
1951	542,031,000	41.2	32.6	9.2	9.9	3.7	3.4
1952	500,819,600	37.4	35.2	11.3	8.7	4.0	3.4
1953	501,926,200	36.2	36.7	11.4	9.2	4.0	2.5
1954	519,242,267	30.7	41.6	11.8	9.1	4.9	1.9
1955	570,653,395	29.3	42.7	11.3	9.6	4.5	2.6
1956	613,364,460	30.0	40.6	12.2	9.6	5.0	2.6
1957	612,755,172	30.5	40.1	12.3	9.9	4.8	2.4
1958	611,625,000	28.7	40.5	13.7	9.0	5.8	2.3
1959	606,300,000	30.4	38.7	13.7	9.6	5.5	2.1
1960	615,800,000	29.8	38.0	15.0	9.2	5.5	2.5
1961	604,000,000	29.2	39.1	14.5	9.3	5.8	2.1
1962	631,000,000	29.6	38.0	15.2	8.9	6.2	2.1
1963	615,000,000	31.9	36.3	15.2	8.8	5.9	1.9
1964	618,000,000	33.6	33.5	16.4	8.3	6.5	1.7
1965	618,500,000	35.2	30.3	17.1	8.5	6.6	2.3

[a] Tables based on figures from the Illinois State Geological Survey annual mineral production reports.

[b] Subject to revision.

[c] Approximate percentage contributed to state total value by each mineral group per year, 1941-1965.

TABLE 3 - ILLINOIS COAL PRODUCTION BY COUNTIES IN 1965[a]

County	Number of mines	Tons mined		Total tons	Total value[b]
		Underground	Strip		
Adams	1	—	26,520	26,520	$ 99,185
Christian	1	5,404,196	—	5,404,196	20,211,693
Douglas	1	646,196	—	646,196	2,416,773
Franklin	4	6,182,282	—	6,182,282	23,121,735
Fulton	9	—	8,222,112	8,222,112	30,750,699
Gallatin	4	45,185	50,243	95,428	356,901
Greene	1	—	5,622	5,622	21,026
Henry	1	16,731	—	16,731	62,574
Jackson	4	356,872	970,950	1,327,822	4,966,054
Jefferson	1	2,682,787	—	2,682,787	10,033,623
Johnson	1	—	1,938	1,938	7,248
Kankakee	1	—	844,095	844,095[c]	3,156,915
Knox	2	—	1,320,409	1,320,409	4,938,330
Logan	1	15,882	—	15,882	59,399
Macoupin	1	378,980	—	378,980	1,417,385
Menard	1	5,355	—	5,355	20,028
Mercer	2	23,685	862	24,547	91,806
Montgomery	2	2,352,395	—	2,352,395	8,797,957
Peoria	6	16,164	1,285,001	1,301,165	4,866,357
Perry	3	—	6,503,838	6,503,838	24,324,354
Randolph	3	818,762	2,045,441	2,864,203	10,712,119
St. Clair	6	1,293,401	4,412,101	5,705,502	21,338,577
Saline	11	1,649,886	1,943,296	3,593,182	13,438,501
Schuyler	1	—	431,473	431,473	1,613,709
Stark	1	—	533,499	533,499	1,995,286
Vermilion	7	46,479	790,107	836,586	3,128,832
Washington	1	31,262	—	31,262	116,920
Williamson	20	3,604,942	3,273,531	6,878,473	25,725,489
Total	97	25,571,442	32,661,038	58,232,480	$217,789,475

[a] Source: Production figures, Illinois State Department of Mines and Minerals.
[b] Average value for Illinois coal f.o.b. mine, estimated at $3.74 per ton, 1965.
[c] Includes 347,226 tons mined in Grundy County and 496,869 tons mined in Will County.

TABLE 4 - COAL PRODUCTION BY ILLINOIS COUNTIES, 1882-1965[a]

County	Total production (tons)	Total years active	Last year active
Adams	287,801	22	1965
Bond	7,355,569	57	1942
Brown	65,347	40	1963
Bureau	53,823,055	80	1964
Calhoun	96,247	27	1912
Cass	212,477	53	1941
Christian	265,233,808	81	1965
Clark	4,482	2	1955
Clay	801	1	1963
Clinton	38,656,325	79	1960
Coles	198,932	6	1888
Crawford	45,400	16	1961
Douglas	6,617,042	20	1965
Edgar	915,698	41	1952
Effingham	796	1	1890
Franklin	520,672,366	67	1965
Fulton	238,307,191	84	1965
Gallatin	6,048,506	81	1965
Greene	689,839	82	1965
Grundy	42,273,737	82	1965
Hamilton	22,097	16	1905
Hancock	771,281	72	1958
Hardin	40	1	1890
Henry	22,910,053	84	1965
Jackson	95,486,074	84	1965
Jasper	23,739	11	1939
Jefferson	41,498,725	62	1965
Jersey	120,350	59	1951
Johnson	245,942	53	1965
Kankakee	8,752,960	43	1962
Knox	47,355,963	84	1965
LaSalle	65,547,638	79	1960
Livingston	10,111,437	80	1961
Logan	14,472,090	81	1965
Macon	11,000,468	65	1947
Macoupin	264,829,504	84	1965
McDonough	2,634,903	69	1951
McLean	5,544,139	47	1928
Madison	164,295,772	83	1964
Marion	39,247,722	82	1963
Marshall	12,516,141	70	1951
Menard	13,462,005	84	1965
Mercer	15,307,755	78	1965
Monroe	8,284	13	1941
Montgomery	103,612,528	84	1965
Morgan	190,787	64	1951
Moultrie	2,032,236	16	1924
Peoria	73,615,898	84	1965
Perry	199,909,346	84	1965
Pike	5,081	8	1942
Pope	1,562	11	1938
Putnam	10,071,893	29	1938
Randolph	89,294,718	84	1965
Richland	154	1	1890
Rock Island	3,846,169	67	1948
St. Clair	276,104,070	84	1965
Saline	220,536,901	84	1965
Sangamon	233,449,607	83	1964
Schuyler	7,537,025	83	1965
Scott	612,476	61	1942
Shelby	4,119,763	67	1950
Stark	3,777,354	75	1965
Tazewell	17,633,802	75	1956
Vermilion	161,667,112	84	1965
Wabash	198,226	36	1964
Warren	685,466	73	1954
Washington	18,057,231	84	1965
White	1,676,741	36	1940
Will	40,164,699	84	1965
Williamson	368,208,996	84	1965
Woodford	7,810,160	70	1951
Total (1882-1965)			3,862,490,502
Estimated production (1833-1881)			73,386,123
Total production (1833-1965)			3,935,876,625

[a] Source: Illinois State Department of Mines and Minerals.

TABLE 5 - ESTIMATED OIL PRODUCTION BY ILLINOIS COUNTIES, 1888-1965[a]

County	Total production[b] 1888-1965	1965 Production		1965 value[c]
		Thousands of barrels	Percent of state total	
Adams	155	8	0.01	$ 23,440
Bond	6,562	135	0.21	395,550
Brown	205	2	—	5,860
Christian	20,951	887	1.39	2,598,910
Clark-Cumberland	84,846	776	1.22	2,273,680
Clay	109,957	2,703	4.24	7,919,790
Clinton	76,057	1,105	1.73	3,237,650
Coles	19,110	802	1.26	2,349,860
Crawford	206,772	3,473	5.45	10,175,890
DeWitt	789	269	0.42	788,170
Douglas	3,119	104	0.16	304,720
Edgar	2,600	57	0.09	167,010
Edwards	38,982	969	1.52	2,839,170
Effingham	11,565	441	0.69	1,292,130
Fayette	336,321	10,903	17.11	31,945,790
Franklin	60,539	1,360	2.14	3,984,800
Gallatin	41,736	1,057	1.66	3,097,010
Hamilton	108,880	2,978	4.68	8,725,540
Hancock-McDonough	5,076	44	0.07	128,920
Jasper	40,036	741	1.16	2,171,130
Jefferson	70,191	1,411	2.22	4,134,230
Lawrence	336,063	6,908	10.84	20,240,440
Macon	811	25	0.04	73,250
Macoupin	210	7	0.01	20,510
Madison	15,725	283	0.44	829,190
Marion	365,468	7,827	12.29	22,933,110
Monroe	2	—	—	—
Montgomery	109	2	—	5,860
Moultrie	61	5	0.01	14,650
Perry	577	43	0.07	125,990
Randolph	3,348	122	0.19	357,460
Richland	84,281	1,961	3.08	5,745,730
St. Clair	2,883	—	—	—
Saline	14,911	700	1.10	2,051,000
Sangamon	1,099	219	0.34	641,670
Schuyler	1	—	—	—
Shelby	1,178	77	0.12	225,610
Wabash	88,465	2,528	3.97	7,407,040
Washington	23,158	570	0.90	1,670,100
Wayne	191,584	5,643	8.86	16,533,990
White	223,744	6,515	10.23	19,088,950
Williamson	503	48	0.08	140,640
	2,598,630	63,708	100.00	$186,664,440

[a] Subject to revision.
[b] In thousands of barrels.
[c] Average price estimated at $2.93 per barrel.

TABLE 6 - ILLINOIS STONE PRODUCTION BY REGIONS, 1965[a,b]

Producing counties and operations[c]		Stone use	Tons	Value	Average per ton
		NORTHWEST			
Carroll	Ogle	Road and			
Henry	Rock Island	building	4,356,034	$ 4,848,114	$1.11
Jo Daviess	Stephenson	Agstone	577,788	593,111	1.03
Lee	Whiteside	All other	11,220	10,464	0.93
Mercer	Winnebago	Total	4,945,042	$ 5,451,689	$1.10
Operations - 105					
		WEST			
Adams	Knox	Road and			
Brown	McDonough	building	1,532,344	$ 1,976,072	$1.29
Hancock	Schuyler	Agstone	338,517	532,102	1.57
Henderson	Warren	All other	451,357	987,461	2.19
Operations - 20		Total	2,322,218	$ 3,495,635	$1.51
		WEST SOUTHWEST			
Calhoun	Madison	Road and			
Christian	Montgomery	building	2,270,156	$ 3,403,626	$1.50
Greene	Pike	Agstone	597,912	870,797	1.46
Jersey	Scott	All other	44,843	99,967	2.23
Operations - 24		Total	2,912,911	$ 4,374,390	$1.50
		SOUTHWEST			
Clinton	Randolph	Road and			
Jackson	St. Clair	building	4,312,366	$ 6,430,932	$1.49
Johnson	Union	Agstone	921,147	1,318,913	1.43
Monroe	Washington	All other	1,777,018	2,415,356	1.36
Pulaski		Total	7,010,531	$10,165,201	$1.45
Operations - 23					
		NORTHEAST			
Boone	Kendall	Road and			
Cook	LaSalle	building	16,389,682	$20,377,483	$1.24
DeKalb	McHenry	Agstone	429,444	613,596	1.43
DuPage	Will	All other	632,741	872,182	1.38
Kane		Total	17,451,867	$21,863,261	$1.25
Operations - 31					
		EAST			
Kankakee		Road and			
Livingston		building	3,688,852	$ 4,681,276	$1.27
Vermilion		Agstone	959,729	1,270,392	1.32
		All other	164,741	401,240	2.44
Operations - 10		Total	4,813,322	$ 6,352,908	$1.32
		CENTRAL			
Logan		Road and			
Menard		building	1,397,722	$ 1,967,630	$1.41
Peoria		Agstone	336,157	567,397	1.69
		All other	—	—	—
Operations - 6		Total	1,733,879	$ 2,535,027	$1.46
		EAST SOUTHEAST			
Clark	Fayette	Road and			
Clay	Marion	building	947,302	$ 1,639,603	$1.73
Coles	Shelby	Agstone	502,759	939,062	1.87
Douglas		All other	—	—	—
Operations - 9		Total	1,450,061	$ 2,578,665	$1.78
		SOUTHEAST			
Hardin		Road and			
Jefferson		building	357,993	$ 540,142	$1.51
Massac		Agstone	282,662	438,447	1.55
		All other	12,940	9,901	0.77
Operations - 7		Total	653,595	$ 988,490	$1.51
		STATE TOTALS			
Counties - 60		Road and			
		building	35,252,451	$45,864,878	$1.30
Operations - 235		Agstone	4,946,115	7,143,817	1.44
		All other	3,094,860	4,796,571	1.55
		Total	43,293,426	$57,805,266	$1.34

[a] Based on U. S. Bureau of Mines figures. All values at the quarry.
[b] Dimension stone and stone used for cement and lime not included.
[c] Summary of commercial stone production. Figure 3 shows regions and counties.

TABLE 7 - ILLINOIS COMMON SAND PRODUCTION BY REGIONS, 1965[a]

Producing counties and operations[b]		Sand use	Tons	Value	Average per ton
		NORTHWEST			
Bureau	Ogle				
Carroll	Rock Island	Paving	819,000	$ 643,000	$0.79
Henry	Stephenson	Building	1,003,000	871,000	0.87
Jo Daviess	Whiteside	All other	297,000	152,000	0.51
Lee	Winnebago	Total	2,119,000	$ 1,666,000	$0.79
Operations - 27					
		WEST			
Adams		Paving	151,000	$ 117,000	$0.77
Brown		Building	71,000	72,000	1.01
Fulton		All other	49,000	34,000	0.69
Schuyler		Total	271,000	$ 223,000	$0.82
Operations - 8					
		WEST SOUTHWEST			
Bond		Paving	438,000	$ 500,000	$1.14
Madison		Building	475,000	468,000	0.99
Pike		All other	75,000	60,000	0.80
Sangamon		Total	988,000	$ 1,028,000	$1.04
Operations - 8					
		SOUTHWEST			
Alexander					
Jackson		Paving	202,000	$ 183,000	$0.91
Pulaski		Building	337,000	309,000	0.92
Randolph		All other	42,000	33,000	0.79
St. Clair		Total	581,000	$ 525,000	$0.90
Operations - 5					
		CENTRAL			
DeWitt	Mason				
Logan	Peoria	Paving	642,000	$ 518,000	$0.81
McLean	Tazewell	Building	679,000	588,000	0.87
Macon	Woodford	All other	309,000	189,000	0.61
Marshall		Total	1,630,000	$ 1,295,000	$0.79
Operations - 21					
		NORTHEAST			
Boone	Kendall				
Cook	Lake	Paving	2,380,000	$ 2,124,000	$0.89
DeKalb	LaSalle	Building	3,205,000	2,876,000	0.90
DuPage	McHenry	All other	1,072,000	662,000	0.62
Grundy	Will	Total	6,657,000	$ 5,662,000	$0.85
Kane					
Operations - 51					
		EAST			
Champaign		Paving	204,000	$ 201,000	$0.99
Ford		Building	163,000	154,000	0.94
Kankakee		All other	130,000	56,000	0.43
Vermilion		Total	497,000	$ 411,000	$0.83
Operations - 8					
		EAST SOUTHEAST			
Clark	Effingham	Paving	211,000	$ 148,000	$0.70
Coles	Fayette	Building	75,000	53,000	0.71
Crawford	Lawrence	All other	93,000	40,000	0.43
Cumberland	Shelby	Total	379,000	$ 241,000	$0.64
Operations - 15					
		SOUTHEAST			
Gallatin		Paving	137,000	$ 149,000	$1.09
Massac		Building	141,000	141,000	1.00
Wabash		All other	24,000	15,000	0.63
White		Total	302,000	$ 305,000	$1.01
Operations - 9					
		STATE TOTALS			
Counties - 59		Paving	5,184,000	$ 4,583,000	$0.88
Operations - 152		Building	6,149,000	5,532,000	0.90
		All other	2,091,000	1,241,000	0.59
		Total	13,424,000	$11,356,000	$0.85

[a] Based on U. S. Bureau of Mines figures. All values at the pit.
[b] Summary of commercial sand production. Figure 3 shows regions and counties.

TABLE 8 - ILLINOIS GRAVEL PRODUCTION BY REGIONS, 1965[a]

Producing counties and operations[b]		Gravel use	Tons	Value	Average per ton
		NORTHWEST			
Bureau	Ogle				
Carroll	Rock Island	Paving	876,000	$ 724,000	$0.83
Henry	Stephenson	Building	579,000	580,000	1.00
Jo Daviess	Whiteside	All other	81,000	46,000	0.57
Lee	Winnebago	Total	1,536,000	$ 1,350,000	$0.88
Operations - 33					
		WEST			
Adams		Paving	308,000	$ 410,000	$1.33
Fulton		Building	45,000	69,000	1.53
Henderson		All other	—	—	—
Knox		Total	353,000	$ 479,000	$1.36
Operations - 5					
		WEST SOUTHWEST			
Bond		Paving	197,000	$ 240,000	$1.22
Pike		Building	91,000	144,000	1.58
Sangamon		All other	48,000	55,000	1.15
Operations - 7		Total	336,000	$ 439,000	$1.31
		SOUTHWEST			
Alexander		Paving	30,000	$ 28,000	$0.93
Pulaski		Building	—	—	—
Union		All other	—	—	—
Operations - 4		Total	30,000	$ 28,000	$0.93
		CENTRAL			
DeWitt	Mason				
Logan	Peoria	Paving	2,541,000	$ 2,907,000	$1.14
McLean	Stark	Building	511,000	693,000	1.36
Macon	Tazewell	All other	211,000	159,000	0.75
Marshall	Woodford	Total	3,263,000	$ 3,759,000	$1.15
Operations - 34					
		NORTHEAST			
Boone	Kendall				
Cook	Lake				
DeKalb	LaSalle	Paving	4,658,000	$ 3,911,000	$0.84
DuPage	McHenry	Building	5,688,000	4,596,000	0.81
Grundy	Will	All other	912,000	534,000	0.59
Kane		Total	11,258,000	$ 9,041,000	$0.80
Operations - 66					
		EAST			
Champaign	Livingston	Paving	378,000	$ 397,000	$1.05
Ford	Vermilion	Building	186,000	172,000	0.92
Iroquois		All other	60,000	30,000	0.50
Operations - 19		Total	624,000	$ 599,000	$0.96
		EAST SOUTHEAST			
Clark	Fayette	Paving	497,000	$ 490,000	$0.99
Coles	Lawrence	Building	37,000	45,000	1.22
Crawford	Moultrie	All other	29,000	21,000	0.72
Cumberland	Shelby	Total	563,000	$ 556,000	$0.99
Operations - 16					
		SOUTHEAST			
Gallatin		Paving	186,000	$ 199,000	$1.07
Massac		Building	45,000	58,000	1.29
Wabash		All other	—	—	—
White		Total	231,000	$ 257,000	$1.11
Operations - 9					
		STATE TOTALS			
Counties - 58		Paving	9,671,000	$ 9,306,000	$0.96
Operations - 193		Building	7,182,000	6,357,000	0.89
		All other	1,341,000	845,000	0.63
		Total	18,194,000	$16,508,000	$0.91

[a] Based on U. S. Bureau of Mines figures. All values at the pit.
[b] Summary of commercial gravel production. Figure 3 shows regions and counties.

TABLE 9 - ILLINOIS SILICA SAND PRODUCTION, 1964–1965[a]

Silica sand use	1964		1965	
	Tons	Value	Tons	Value
Glass sand	1,609,000	$ 3,295,000	1,861,000	$ 4,041,000
Molding sand	962,000	3,087,000	1,018,000	3,050,000
Other uses[b]	434,000	1,881,000	544,000	2,627,000
Ground silica sand[c]	202,000	2,223,000	208,000	2,273,000
Total silica sand	3,207,000	$10,486,000	3,631,000	$11,991,000

[a] Based on U. S. Bureau of Mines figures.
[b] Grinding and polishing, blast, fire and furnace, engine, filter, oil.
[c] For abrasives, ceramics, foundry, filler, chemical.

TABLE 10 - PRODUCTION OF ILLINOIS CLAY PRODUCTS, 1964–1965

Clay products reported	1964		1965	
	Amount	Value	Amount	Value
Face brick (number)	181,596,124	$ 8,293,593	182,025,117	$ 8,299,081
Common brick (number)	142,684,675	3,754,386	133,284,664	3,482,034
Drain and sewer tile (tons)	143,449	4,700,225	157,744	5,959,191
Lightweight aggregate (tons)	533,163	3,225,852	577,128	3,332,258
Other clay products	—	1,021,938	—	1,004,138
Clay and silica refractories	—	7,883,633	—	7,672,164
Pottery and whiteware	—	22,472,918	—	22,710,634
Total		$51,352,545		$52,459,500

TABLE 11 - FLUORSPAR SHIPPED AND CONSUMED, 1961–1965[a]

Year	Fluorspar shipments			Fluorspar[b] consumed in United States	Illinois shipments as percent of U.S. consumption
	United States	Illinois	Illinois as percent of U.S.		
1961	197,354	116,908	59.2	687,940	17.0
1962	206,026	132,830	64.5	652,888	20.3
1963	199,948	132,060	66.1	736,350	17.9
1964	217,137	127,454	58.7	831,561[c]	15.3[c]
1965	240,932	159,140	66.1	930,127	17.1

[a] Source: U. S. Bureau of Mines. Fluorspar figures in tons.
[b] Fluorspar consumed includes domestic and foreign material.
[c] Revised figures.

TABLE 12 - ILLINOIS ZINC AND LEAD PRODUCTION, 1945–1965[a]

Year[b]	Zinc			Lead		
	Tons	Value	Average per ton	Tons	Value	Average per ton
1945	8,310	$1,911,300	$230.00	3,005	$ 516,860	$172.00
1950	26,982	7,500,996	278.00	2,729	725,914	266.00
1955	21,700	5,338,200	246.00	4,544	1,354,112	298.00
1960	29,550	7,623,900	258.00	3,000	702,000	234.00
1965	18,314	5,347,688	292.00	3,005	937,560	312.00

[a] Mine production of recoverable metal.
[b] Source: U. S. Bureau of Mines.

Table 13 of this report was designed as a quick and convenient reference to the counties in Illinois producing any of the 14 major mineral products of this state. The table indicates the different mineral products produced by any county in the state, and the numbers show the position held by each county among all counties producing a selected mineral product.

TABLE 13 - SUMMARY OF MINERALS PRODUCED BY ILLINOIS COUNTIES, 1965

Counties	Cement	Clay products	Coal	Crude oil	Fluorspar	Lead	Lime	Natural bonded molding sand	Common sand	Common gravel	Silica sand	Stone	Tripoli	Zinc
Adams	—	—	23	36	—	—	2	—	45	50	—	28	—	—
Alexander	—	—	—	—	—	—	—	—	28	53	—	—	1	—
Bond	—	—	—	27	—	—	—	—	25	30	—	—	—	—
Boone	—	—	—	—	—	—	—	—	38	36	—	29	—	—
Brown	—	25	—	40	—	—	—	—	53	—	—	60	—	—
Bureau	—	—	—	—	—	—	—	—	19	9	—	—	—	—
Calhoun	—	—	—	—	—	—	—	—	—	—	—	58	—	—
Carroll	—	—	—	—	—	—	—	—	57	54	—	35	—	—
Cass	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Champaign	—	—	—	—	—	—	—	—	13	17	—	—	—	—
Christian	—	—	6	16	—	—	—	—	—	—	—	47	—	—
Clark	—	—	—	21	—	—	—	—	40	33	—	24	—	—
Clay	—	—	—	8	—	—	—	—	—	—	—	50	—	—
Clinton	—	—	—	13	—	—	—	—	—	—	—	49	—	—
Coles	—	—	—	17	—	—	—	—	27	43	—	20	—	—
Cook	—	2	—	—	—	—	1	—	6	14	—	1	—	—
Crawford	—	5	—	6	—	—	—	—	48	26	—	—	—	—
Cumberland	—	—	—	23	—	—	—	—	32	31	—	—	—	—
DeKalb	—	—	—	—	—	—	—	—	20	16	—	37	—	—
DeWitt	—	—	—	25	—	—	—	—	58	39	—	—	—	—
Douglas	—	—	15	29	—	—	—	—	—	—	—	59	—	—
DuPage	—	—	—	—	—	—	—	—	17	15	—	12	—	—
Edgar	—	—	—	31	—	—	—	—	—	—	—	—	—	—
Edwards	—	—	—	15	—	—	—	—	—	—	—	—	—	—
Effingham	—	—	—	22	—	—	—	—	54	—	—	—	—	—
Fayette	—	24	—	1	—	—	—	2	52	51	—	45	—	—
Ford	—	—	—	—	—	—	—	—	36	24	—	—	—	—
Franklin	—	—	4	12	—	—	—	—	—	—	—	—	—	—
Fulton	—	—	1	—	—	—	—	—	18	13	—	—	—	—
Gallatin	—	—	21	14	—	—	—	—	24	41	—	—	—	—

TABLE 13 - Continued

Counties	Cement	Clay products	Coal	Crude oil	Fluorspar	Lead	Lime	Natural bonded molding sand	Common sand	Common gravel	Silica sand	Stone	Tripoli	Zinc
Greene	—	14	27	—	—	—	—	—	—	—	—	34	—	—
Grundy	—	9	20	—	—	—	—	—	5	6	—	—	—	—
Hamilton	—	—	—	7	—	—	—	—	—	—	—	—	—	—
Hancock	—	—	—	41	—	—	—	—	—	—	—	23	—	—
Hardin	—	—	—	—	1	1	—	—	—	—	—	26	—	1
Henderson	—	—	—	—	—	—	—	—	—	55	—	22	—	—
Henry	—	—	25	—	—	—	—	1	55	45	—	43	—	—
Iroquois	—	—	—	—	—	—	—	—	—	46	—	—	—	—
Jackson	—	—	11	—	—	—	—	—	33	—	—	42	—	—
Jasper	—	—	—	18	—	—	—	—	—	—	—	—	—	—
Jefferson	—	—	9	11	—	—	—	—	—	—	—	48	—	—
Jersey	—	—	—	—	—	—	—	—	—	—	—	52	—	—
Jo Daviess	—	—	—	—	—	3	—	—	29	58	—	21	—	2
Johnson	—	—	29	—	—	—	—	—	—	—	—	11	—	—
Kane	—	8	—	—	—	—	—	—	4	2	—	27	—	—
Kankakee	—	16	—	—	—	—	—	—	56	—	—	3	—	—
Kendall	—	—	—	—	—	—	—	—	49	18	—	38	—	—
Knox	—	4	12	—	—	—	—	—	—	52	—	36	—	—
Lake	—	7	—	—	—	—	—	—	7	11	—	—	—	—
LaSalle	1	1	—	—	—	—	—	—	12	7	1	31	—	—
Lawrence	—	—	—	3	—	—	—	—	34	22	—	—	—	—
Lee	2	—	—	—	—	—	—	—	21	29	—	17	—	—
Livingston	—	20	—	—	—	—	—	—	—	34	—	5	—	—
Logan	—	—	26	—	—	—	—	—	26	27	—	44	—	—
McDonough	—	3	—	34	—	—	—	—	—	—	—	34	—	—
McHenry	—	22	—	—	—	—	—	—	1	1	—	57	—	—
McLean	—	—	—	—	—	—	—	—	22	8	—	—	—	—
Macon	—	—	—	35	—	—	—	—	16	21	—	—	—	—
Macoupin	—	—	19	37	—	—	—	—	—	—	—	—	—	—
Madison	—	12	—	24	—	—	—	—	15	—	—	13	—	—
Marion	—	—	—	2	—	—	—	—	—	—	—	53	—	—
Marshall	—	18	—	—	—	—	—	—	42	12	—	—	—	—
Mason	—	—	—	—	—	—	—	—	51	49	—	—	—	—
Massac	3	—	—	—	—	—	—	—	41	56	—	56	—	—
Menard	—	—	28	—	—	—	—	—	—	—	—	19	—	—
Mercer	—	19	24	—	—	—	—	—	—	—	—	51	—	—

TABLE 13 - Continued

Counties	Cement	Clay products	Coal	Crude oil	Fluorspar	Lead	Lime	Natural bonded molding sand	Common sand	Common gravel	Silica sand	Stone	Tripoli	Zinc
Monroe	—	—	—	—	—	—	—	—	—	—	—	32	—	—
Montgomery	—	—	10	39	—	—	—	—	—	—	—	14	—	—
Morgan	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Moultrie	—	—	—	38	—	—	—	—	—	47	—	—	—	—
Ogle	—	—	—	—	—	—	—	—	23	20	2	16	—	—
Peoria	—	—	13	—	—	—	—	—	11	4	—	10	—	—
Perry	—	—	3	33	—	—	—	—	—	—	—	—	—	—
Piatt	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pike	—	—	—	—	—	—	—	—	43	32	—	18	—	—
Pope	—	—	—	—	2	2	—	—	—	—	—	—	—	3
Pulaski	—	23	—	—	—	—	—	—	47	57	—	30	—	—
Putnam	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Randolph	—	—	8	28	—	—	—	—	31	—	—	7	—	—
Richland	—	—	—	10	—	—	—	—	—	—	—	—	—	—
Rock Island	—	—	—	—	—	—	—	3	10	38	—	6	—	—
St. Clair	—	13	5	—	—	—	—	—	14	—	—	2	—	—
Saline	—	—	7	19	—	—	—	—	—	—	—	—	—	—
Sangamon	—	15	—	26	—	—	—	—	8	23	—	—	—	—
Schuyler	—	—	18	—	—	—	—	—	46	—	—	55	—	—
Scott	—	21	—	—	—	—	—	—	—	—	—	46	—	—
Shelby	—	—	—	30	—	—	—	—	50	42	—	54	—	—
Stark	—	—	16	—	—	—	—	—	—	48	—	—	—	—
Stephenson	—	—	—	—	—	—	—	—	44	37	—	25	—	—
Tazewell	—	10	—	—	—	—	—	—	9	5	—	—	—	—
Union	—	—	—	—	—	—	—	—	—	44	—	9	—	—
Vermilion	—	17	14	—	—	—	—	—	30	25	—	8	—	—
Wabash	—	—	—	9	—	—	—	—	35	28	—	—	—	—
Warren	—	11	—	—	—	—	—	—	—	—	—	40	—	—
Washington	—	—	22	20	—	—	—	—	—	—	—	41	—	—
Wayne	—	—	—	5	—	—	—	—	—	—	—	—	—	—
White	—	—	—	4	—	—	—	—	39	35	—	—	—	—
Whiteside	—	—	—	—	—	—	—	—	37	40	—	39	—	—
Will	—	6	17	—	—	—	—	—	2	3	—	4	—	—
Williamson	—	—	2	32	—	—	—	—	—	—	—	—	—	—
Winnebago	—	—	—	—	—	—	—	—	3	10	—	15	—	—
Woodford	—	—	—	—	—	—	—	—	59	19	—	—	—	—

Illinois State Geological Survey Circular 407
26 p., 3 figs., 13 tables, 1966

Printed by Authority of State of Illinois, Ch. 127, IRS, Par. 58.25.

CIRCULAR 407

ILLINOIS STATE GEOLOGICAL SURVEY

URBANA